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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,720	12/02/2003	Takaichi Kato	031299	2206

23850 7590 03/12/2007
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EXAMINER

RAMPURIA, SATISH

ART UNIT	PAPER NUMBER
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2191

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/724,720	KATO, TAKAICHI	
	Examiner	Art Unit	
	Satish S. Rampuria	2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/02/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the application filed on December 02, 2003.
2. Claims 1-6 are pending.

Priority

3. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copies have been received on January 19, 2004.

Information Disclosure Statement

4. An initialed and dated copy of Applicant's IDS form 1449 filed on December 02, 2003 is attached to the instant Office action.

Oath/Declaration

5. The Office acknowledges receipt of a properly signed oath/declaration filed December 02, 2003.

Drawings

6. The drawings were received on December 02, 2003. These drawings are acceptable by the examiner.

Claim Rejections - 35 USC § 112

7. The following is a quotation of the **second paragraph** of 35 U.S.C. 112:

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The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

8. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Clarification and/or correction are required.

Regarding, claims 1, 5, and 6, recite the limitation, "natural language" is unclear as to what natural language is referred, no definition is given to define the limitation in the specification.

Regarding, claim 1, on lines 7 and 9, the limitation, "to be" is unclear as to whether the conditions (provided and selected) following the limitations is being done or not.

The rejection of the base claim is necessarily incorporated into the dependent claims.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No. 2004/0015832 to Stapp et al. (hereinafter, Stapp).

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Per claim 1:

Stapp disclose:

1. An apparatus for aiding in generating a source code including a plurality of statements comprising:

a storage device storing a plurality of templates corresponding to said plurality of statements (paragraph [0021] “invention uses a pre-defined data structure to hold the input data that the code-generation component requires”), said plurality of templates each including a selection area having a plurality of command terms indicated in a natural language for generating said statement (paragraph [0023] “invention also provides users with a means to modify and add templates for generating code. By modifying and/or adding templates, programmers are enabled with the capability to modify the behavior of the source generating modules”), a plurality of input areas to be provided with a parameter for generating said statement (paragraph [0012] “When input data arrives at the code generation component's data input, data is processed by one filter then passed through to the next filter”), and a command button to be selected by the user in producing the source code for said statement (paragraph [0012] “When input data arrives at the code generation component's data input...output of the pipeline is the source code files that are the result of successive transformations allowing user input to be checked for integrity and all class components generated”); a display displaying a template selected by the user among said plurality of templates (paragraph [0073] “the EJB type displayed to the user with a named set of templates. The set of templates contains rules for transforming the XML data into the specific type of source code that will be generated”);

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a determiner determining whether or not the user has selected a command term necessary for generating a desired statement in said selection area and input a necessary parameter for generating the desired statement to said input area when said command button in said displayed template is selected by said user (paragraph [0089] “A component 522 (AgoTemplateSelector) uses the XML input data to choose the appropriate XSLT template for code generation, based on the given input data”); and

a generator generating the source code for said desired statement based on said selected command term and said input parameter when said determiner determines that said necessary command term has been selected and said necessary parameter has been input (paragraph [0089] “The code generator will use different templates depending upon a number of input parameters, such as whether the target EJB is an entity or session bean, and even possibly if it's a stateless or stateful session EJB, or bean- or container-managed entity EJB”),

said display means displaying the source code generated by said generator (paragraph [0073]

“the EJB type displayed to the user with a named set of templates. The set of templates contains rules for transforming the XML data into the specific type of source code that will be generated”).

Per claim 2:

The rejection of claim 1 is incorporated and further, Stapp disclose:

2. The apparatus according to claim 1, wherein said plurality of input areas correspond to said plurality of command terms (paragraph [0012] “When input data arrives at the code generation component's data input...output of the pipeline is the source code files that are the result of

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successive transformations allowing user input to be checked for integrity and all class components generated”), and said determiner means determines whether or not a parameter has been input to the input area corresponding to the selected command term (paragraph [0089] “A component 522 (AgoTemplateSelector) uses the XML input data to choose the appropriate XSLT template for code generation, based on the given input data”).

Per claim 3:

The rejection of claim 2 is incorporated and further, Stapp disclose:

3. The apparatus according to claim 2, further comprising a communicator notifying the user of the need to input a parameter to the input area corresponding to a command term selected among a plurality of command terms in said selection area (paragraph [0010] “The components are capable of being accessed programmatically through other code or through a graphical user interface”).

Per claim 4:

The rejection of claim 2 is incorporated and further, Stapp disclose:

4. The apparatus according to claim 2, wherein said plurality of statements include a plurality of command codes (paragraph [0012] “When input data arrives at the code generation component's data input, data is processed by one filter then passed through to the next filter”), said plurality of command terms correspond to the plurality of command codes (paragraph [0082] “The pipeline assembler examines the configuration data, and determines the appropriate pipeline configuration”), said storage device further stores a translation table having said

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plurality of command codes corresponding to said plurality of templates (paragraph [0082] “The pipeline assembler examines the configuration data, and determines the appropriate pipeline configuration in step 320 using a lookup table that stores information about filters and pipes”), said apparatus further comprising: a template selector selecting the template corresponding to said command code in the statement selected in the source code displayed at said display based on said translation table (paragraph [0087] “CodeGenerationTemplates (holds the appropriate XSLT templates for the current input data) and paragraph [0088] “It uses a table-driven mechanism to select and instantiate the specific Filters needed for a code generation task”); a term selector selecting the command term corresponding to said command code in the selection area in the selected template (paragraph [0089] “A component 522 (AgoTemplateSelector) uses the XML input data to choose the appropriate XSLT template for code generation, based on the given input data”); and a parameter provider providing a parameter in the selected statement to the input area corresponding to the selected command term (paragraph [0089] “The code generator will use different templates depending upon a number of input parameters, such as whether the target EJB is an entity or session bean, and even possibly if it's a stateless or stateful session EJB, or bean- or container-managed entity EJB”), after said term selector selects the command term, and the parameter provider provides the parameter, said display displaying the template selected by said template selector (paragraph [0089] “An embodiment of the invention uses a simple table lookup; wherein users can add to the table's metadata to include their own templates and selection criteria”).

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Claim 5 is the program product claim corresponding to apparatus claim 1 and rejected under the same rational set forth in connection with the rejection of claim 1, above.

Claim 6 is the apparatus claim corresponding to apparatus claim 1 and rejected under the same rational set forth in connection with the rejection of claim 1, above.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Satish S. Rampuria** whose telephone number is (571) 272-3732. The examiner can normally be reached on **8:30 am to 5:00 pm** Monday to Friday except every other Friday and Wednesday and federal holidays. Any inquiry of a general nature or relating to the status of this application should be directed to the **TC 2100 Group receptionist: 571-272-2100**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Wei Y. Zhen** can be reached on (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Satish S. Rampuria
Patent Examiner/Software Engineer
Art Unit 2191



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SUPERVISORY PATENT EXAMINER